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Title: **JP9227200A2: PRODUCTION OF INORGANIC BOARD**

Derwent Title: Manufacturing inorganic boards - comprises dispersing raw inorganic mixture of cement, fibre, and alkali-treated hollow filler, in water, then dewatering, laminating, moulding etc.. [Derwent Record]

Country: JP Japan
Kind: A (See also: JP3265183B2)

Inventor: NISHIZAWA KAZUHIDE;

Assignee: NICHIHA CORP
News, Profiles, Stocks and More about this company

Published / Filed: 1997-09-02 / 1996-02-28

Application Number: JP1996000069119

IPC Code: C04B 28/02; B28B 1/52; B28B 3/02; C04B 28/02;

ECLA Code: C04B28/02;

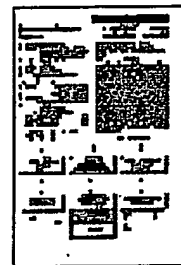**Priority Number:** 1996-02-28 JP1996000069119

Abstract: PROBLEM TO BE SOLVED: To improve the interlaminar adhesion between a multilayer mat and an inorganic board product to surely prevent their delamination by using a raw material mixture mainly comprising cement and a fiber material and in addition, inorganic hollow filler treated with alkali.
SOLUTION: A mixture of inorganic board raw materials mainly comprising cement and fibrous material and, in addition, alkali-treated inorganic hollow filler is dispersed in water to prepare a slurry. This slurry is subjected to fiber sheet-making and drained to form mats, then mats are laminated to a multilayer product and the laminated mat is molded and cured by aging. The inorganic hollow filler is preferably alkali-treated by dipping the filter in an aqueous alkali with a pH of ⩾9 for ⩾10 minutes under stirring. During the alkali treatment, a non-hollow inorganic powder (for example, calcium carbonate, talc or the like) is preferably admixed to the aqueous alkali solution.
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Other Abstract Info: CHEMABS 127(16)224291Z CAN127(16)224291Z DERABS C97-486254 DERC97-486254

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